

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 06868-005002	Application No. 08/984,900
	Applicant Anthony J.F. D'Apice et al.		
	Filing Date December 4, 1997	Group Art Unit 1633	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
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	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	Abstracts from the 2nd International Congress on Xenotransplantation, Cambridge, England, Sept. 26-29, 1993
	AR	Abstracts from 11th Meeting of Transplant Society of Australia and New Zealand, Australia, May 5-7, 1993
	AS	Statutory Declaration of Nicholas J. Deacon from Victoria, Australia (11/30/00) including an exhibit listed immediately below: Exhibit NJD-1 Curriculum Vitae of Nicholas J. Deacon
	AT	Statutory Declaration of Joseph A. Trapani from Victoria, Australia (11/20/00) including an exhibit listed immediately below:

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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Other Documents (include Author, Title, Date, and Place of Publication)			
Examiner Initial	Desig. ID	Document	
		Exhibit JAT-1	Curriculum Vitae of Joseph A. Trapani
	AU	Statutory Declaration of Mauro S. Sandrin from Victoria, Australia (7/6/00) including exhibits listed immediately below	
		Exhibit MSS-1	Curriculum Vitae of Mauro S. Sandrin
		Exhibit MSS-2	Flow chart of work leading up to ARI's Invention
		Exhibit MSS-3	Copy of electronic file pPGT (Sequence Listing)
		Exhibit MSS-4	Copy of gal sequence
		Exhibit MSS-5	Copy of Figure 5
		Exhibit MSS-6	Table Conservative Amino Acid Distributions
	AV	Statutory Declaration of Mauro S. Sandrin from Victoria, Australia (11/3/00) including an exhibit listed immediately below:	
		Exhibit MSS-7	Sequence Listing
	AW	Statutory Declaration of Susan Sau Heng Wong from Victoria, Australia (11/3/00) including exhibits listed immediately below:	
		SSHW-1	Curriculum Vitae of Susan S. H. Wong
		SSHW-2	Chapter 3 of the Australian Patent Office Manual of Practice and Procedure
	AX	Statutory Declaration of Carol E. Scott from New South Wales, Australia (6/23/00)	
	AY	Statutory Declaration of Beverley Hore from Victoria, Australia (6/23/00)	
	AZ	Statutory Declaration of Kirsten Neilson from New South Wales, Australia (7/4/00)	
	AAA	Statutory Declaration of Kirsten Neilson from New South Wales, Australia (7/6/00)	
	ABB	Statutory Declaration of Gretchen Sleeman of New South Wales, Australia (7/7/00)	
	ACC	Statutory Declaration of Margaret Pratt of Victoria, Australia (7/10/00)	
	ADD	Statutory Declaration of Margaret Pratt of Victoria, Australia (7/10/00)	
	AEE	Statutory Declaration of Beverley Hore from Victoria, Australia (10/6/00)	
	AFF	Statutory Declaration of Bruce E. Loveland from Victoria, Australia (7/6/00)	
	AGG	Statutory Declaration of Richard G. Tearle (4/9/01) including exhibits listed immediately below:	
	AHH	Exhibit RGT-1	Curriculum Vitae of Richard G. Tearle
		Exhibit RGT-2	Copy of page of laboratory notebook of Richard Gordon Tearle dated 9/27/74
		Affidavit of Allan Robins from Georgia, U.S.A. (8/31/01) including exhibits listed immediately below:	
		Exhibit AR-1	Brief CV of Dr. Allan Robins and selected Publications
		Exhibit AR-2	Confidentiality Agreement
		Exhibit AR-3	Overcoming Hyperacute Rejection

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		Exhibit AR-4	Letter of Intent dated 6/24/93
	AII	Statutory Declaration of Dr. Anthony J. F. D'Apice (11/2/01) including exhibits listed immediately below:	
		AJFD-1	Curriculum Vitae of Anthony D'Apice
		AJFD-2	Application to Baxter Healthcare Corp. Extramural Grant Program
		AJFD-3	Research Agreement
		AJFD-4	Xenograft Project (6/13/91)
		AJFD-5	Funding of Xenograft Project (11/13/92)
		AJFD-6	Research Agreement
		AJFD-7	Passport of Anthony J. F. D'Apice
	AJJ	Statutory Declaration of Julie M. Wilkie from Victoria, Australia (7/5/00), with the exhibits immediately below:	
		JMW-1	Letters from The Austin Research Institute to Dr John Smeaton, dated 20 April and 8 June 1993; Dr Smeaton's reply dated 16 June 1993
		JMW-2	Programme and abstracts for the eleventh scientific meeting of the Transplant Society of Australia and New Zealand, held in Canberra on 5-7 May 1993, front page, pgs. 1, 5, 7, 51 and 62
		JMW-4	17 Programme and abstracts for the second International Congress on Xenotransplantation held in Cambridge, England 26-29 September 1993 - front pages, pages 8, 18,211 and letter from Congress organisations to Mauro S. Sandrin August 1993
		JMW-8	Australian Patent No. 690100
		JMW-10	Provisional Patent Application PL7854 filed March 16, 1993
		JMW-13	Australian 15445/95 (Bresagen parent application)
		JMW-14	Australian-B 695373 (15445/95) - (Bresagen parent application)
		JMW-15	Prosecution documents of Au-A 77428/98 comprising Examiner's first report of October 1, 1997 and second report of May 8, 1998, responses thereto dated April 20 and June 20, 1998, request to amend and proposed amendments
		JMW-16	Prosecution documents of AU-A 77428/98 comprising Examiner's first report of April 12, 1999, response thereto dated July 30, 1999, request to amend and proposed amendments
	JMW-29	B. Hogan, F. Constantini E. Lacy, "Manipulating the mouse embryo - a laboratory manual", Cold Spring Harbour Laboratory, 1986, front pages	
	JMW-36	Certificate of the Registration of a Company showing that Bresatec Ltd. changed its name to Bresagen Ltd.	
	AKK	Statutory Declaration of Julie M. Wilkie, Patent Attorney at Callinan Lawrie, Victoria, Australia (7/6/00) including Exhibits immediately listed below:	
		Exhibit JMW-39	McKenzie et al. (1968) The Lancet pp 386-387
		Exhibit JMW-40	Galili et al. (1984) J. Exp. Med. Vol. 160

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	ALL	Statutory Declaration of Julie M. Wilkie, Patent Attorney at Callinan Lawrie, Victoria, Australia (8/9/00) including Exhibits JMW-41 –JMW43 (replacement Exhibits for Exhibits JMW-11, JMW-14 and JMW-34) listed below:	
		JMW-41	US Patent No. 188607 filed January 1994 ("Bresagen priority document 1)
		JMW-42	Au-B 695373 (05445/95) – ("Bresagen parent patent")
		JMW-43	D. Cosgrove et al. (1991) "Mice lacking MHC Class II Molecules", Cell 66:1051-1066
	AMM	Statutory Declaration of Ian Farquar Campbell McKenzie of Victoria, Australia (7/27/00)	
	ANN	Statement of Grounds of Opposition and Particulars Relating to Each Ground (4/7/00)	
	AOO	Application for an Extension of Time for lodging Evidence-in-Support (10/9/00)	
	APP	Application for an Extension of Time for lodging Evidence-in-Support (7/7/00)	
	AQQ	Statutory Declaration of John Cox on 1/8/02	
	ARR	Statutory Declaration of Prof. Robert Charles Atkins on (1/11/02) with exhibit 1 listed immediately below:	
		Exhibit RCA-1	Curriculum Vitae of Robert Charles Atkins
	ASS	Statutory Declaration of Associate Professor Emma Whitelaw (4/4/02) with exhibit 1 listed immediately below:	
		Exhibit EW-1	Curriculum Vitae of Emma Whitelaw
	ATT	Statutory Declaration of Robynne Lyndsay Sanders (4/2/02) with exhibits listed immediately below:	
		Exhibit RLS-1	Application to Baxter Healthcare Corporation Extramural Grant Program
		Exhibit RLS-2	Research Agreement
		Exhibit RLS-3	Research Agreement
		Exhibit RLS-4	PNAS Online

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	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	Letter to Examiner disclosing grounds for an opposition filed by the Austin Research Institute in corresponding Australian patent application no. 711,144 (2 pages)
	AR	
	AS	
	AT	

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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AB							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AC	Fournier et al., "A Human Naturally Occurring Antibody, Anti-Gal, Recognises Epitopes in Pig Kidney, Heart and Liver and is Cytotoxic to Endothelial Cells in the Presence of Rabbit Complement," Abstract, #113, p. 142, Second International Congress on Xenotransplantation held in Cambridge, England 26-29 September 1993.
	AD	Dabkowski et al., "Isolation of a cDNA Clone Encoding the Pig α 1,3 Galactosyltransferase," Transplantation Proceedings 26(3):1335, 1994.
	AE	Cooper et al., "Genetically engineered pigs," The Lancet 342:682-683, 1993.
	AF	Hogan et al., "Getting nearer the mark," Nature 336:304-305, 1988.
	AG	Mansour et al., "Disruption of the proto-oncogene int-2 in mouse embryo-derived stem cells: a general strategy for targeting mutations to non-selectable genes," Nature 336:348-352, 1988.
	AH	O'Gorman et al., "Recombinase-Mediated Gene Activation and Site-Specific Integration in Mammalian Cells," Science 251:1351-1355, 1991.
	AI	Capecchi, "Tapping the cellular telephone," Nature 344:10, 1990.
	AJ	Alberts et al., (eds.) <i>Molecular Biology of the Cell</i> , Garland Publishing, Inc.: New York and London, 1989, pp. 194, 195, 894-896, 900, 901.
	AK	Sandrin et al., "Studies on Human Naturally Occurring Antibodies to Pig Xenografts," Transplantation Proceedings, 25(5):2917-2918, 1993.
	AL	Vaughan et al., "Biochemical Analysis of Pig Xenoantigens Detected by Human Antibodies," Transplantation Proceedings 25(5):2919-2920, 1993.
	AM	Mortensen, "Double Knockouts: Production of Mutant Cell lines in Cardiovascular Research," Hypertension 22:646-651, 1993.
	AN	Robertson, "Embryo-derived stem cell lines," In <i>Teratocarcinomas and embryonic stem cells: a practical approach</i> , E.J. Robertson (ed.), IRL Press: Oxford, England, 1987, Chapter 4.
	AO	Zijlstra et al., "Germ-line transmission of a disrupted B2-microglobulin gene produced by homologous recombination in embryonic stem cells," Nature 342:435-438, 1989.
	AP	Merlino, "Transgenic animals in biomedical research," FASEB J. 5:2996-3001, 1991.
	AQ	Broach et al., "Replication and Recombination Functions Associated with the Yeast Plasmid, 2 μ Circle," Cell 21:501-508, 1980.

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	AR	Thall et al., "Oocyte Gal α 1,3Gal Epitopes Implicated in Sperm Adhesion to the Zona Pellucida Glycoprotein ZP3 Are Not Required for Fertilization in the Mouse," The Journal of Biological Chemistry 270(37):21437-21440, 1995.
	AS	Tearle et al., "The α -1,3-Galactosyltransferase Knockout Mouse," Transplantation 61:13-19, 1996.
	AT	McKenzie et al., "Human Lymphocytotoxic and Haemagglutinating Activity Against Sheep and Pig Cells," The Lancet, August 17, 1968, 386-387.
	AU	Galili et al., "A Unique Natural Human IgG Antibody with Anti- α -Galactosyl Specificity," J. Exp. Med. 160:1519-1531, 1984.
	AV	Cosgrove et al., "Mice Lacking MHC Class II Molecules," Cell 66:1051-1066, 1991.
	AW	Letter from Peter Maxwell to Dr. Ellinger, dated 1/11/00.
	AX	Letter from Peter Maxwell to Dr. Ellinger, dated 1/12/00.
	AY	Letter from Peter Maxwell to Dr. Ellinger, dated 4/14/00.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT D'Apice et al.			
				FILING DATE 12/04/97		GROUP 1643	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
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	AI						
	AJ						
	AK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	AL	WO 94/21799	29 Sep 94	PCT			
	AM	WO 94/02616	3 Feb 94	PCT			
	AN	WO 91/13985	19 Sep 91	PCT			
	AO	WO 88/07548	6 Oct 88	PCT			
	AP	WO 93/16729	2 Sep 93	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	AQ	Sandrin et al., <u>Proc. Natl. Acad. Sci. USA</u> , 90:11391-11395 (1993)					
	AR	Liu et al., <u>Int. J. Dev. Biol.</u> , 39:639-644 (1995)					
	AS	Matsui et al., <u>Cell</u> , 70:841-847 (1992)					
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	BA						
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	BJ						
	BK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	BL	WO 92/07581	14 May 92	PCT			
	BM	WO 90/08188	26 Jul 90	PCT			
	BN	WO 90/03432	5 Apr 90	PCT			
	BO	EP 235805	9 Sep 87	Europe			
	BP	PL 7854	11 Oct 94	Australia			
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	BQ	Sandrin et al., <u>Immunological Reviews</u> , 141:169-190 (1994)					
	BR	Gustafsson et al., <u>Immunological Reviews</u> , 141:59-70 (1994)					
	BS	Galili, <u>Immunology Today</u> , 14:480-482 (1993)					
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	APPLICANT D'Apice et al.		
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA						
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	CJ						
	CK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CL	WO 91/19796	26/12/91	PCT				
	CM	2011784	03/08/90	Canada				
	CN							
	CO							
	CP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	CQ	Larsen et al, <u>Proc. Natl. Acad. Sci. USA</u> , 86:8227-8231 (1989)
	CR	Fletcher et al., <u>J. of Exp. Medicine</u> , 174:837-845 (1991)
	CS	Samal et al., <u>Biochimica et Biophysica Acta</u> , 1260:27-34 (1995)

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1643

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	DA						
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	DI						
	DJ						
	DK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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							YES	NO
	DL							
	DM							
	DN							
	DO							
	DP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	DQ	Willson et al., <u>European J. of Biochem.</u> , 204:21-30 (1992)
	DR	Gough et al. <u>Proc. Natl. Acad. Sci.</u> , 85:2623-2627 (1988)
	DS	Gearing et al., <u>Nucleic Acids Res.</u> , 16:9857 (1988)

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							YES	NO
	EL							
	EM							
	EN							
	EO							
	EP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	EQ	Moreau et al., <u>Nature</u> , 336:690-692 (1988)
	ER	Gearing et al., <u>Bio/Technology</u> , 7:1157-1161 (1989)
	ES	Yamamori et al., <u>Science</u> , 246:1412-1416 (1989)

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	FQ	Lowe et al., <u>DNA</u> , 8:351-359 (1989)					
	FR	Stahl et al., <u>J. Biol. Chem.</u> , 265:8833-8841 (1990)					
	FS	Vaughan et al., <u>Transplantation</u> , 58:879-882 (1994)					
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							YES	NO
	GL							
	GM							
	GN							
	GO							
	GP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	GQ	Latinne et al., <u>Immunological Reviews</u> , 141:95-125 (1994)
	GR	Soares et al., <u>Transplantation</u> , 57:1003-1009 (1994)
	GS	Soares et al., <u>Transplantation</u> , 56:1427-1433 (1993)

EXAMINER

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ATTY. DOCKET NO.
06868/005002

SERIAL NO.
08/984,900

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

APPLICANT
D'Apice et al.

FILING DATE
12/04/97

GROUP
1643

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	HA						
	HB						
	HC						
	HD						
	HE						
	HF						
	HG						
	HH						
	HI						
	HJ						
	HK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	HL							
	HM							
	HN							
	HO							
	HP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	HQ	Gambiez et al., <u>Transplantation</u> , 54:577-583 (1992)
	HR	Oriol et al., <u>Transplant International</u> , 7:405-413 (1994)
	HS	Hale et al., <u>Blood</u> , 62:873-882 (1983)

EXAMINER

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT D'Apice et al.			
				FILING DATE 12/04/97		GROUP 1643	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	IA						
	IB						
	IC						
	ID						
	IE						
	IF						
	IG						
	IH						
	II						
	IJ						
	IK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	IL						
	IM						
	IN						
	IO						
	IP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	IQ	Dabkowski et al., <u>Transplant. Proc.</u> , 25:2921 (1993)					
	IR	Paulson et al., <u>J. Biol. Chem.</u> , 264:17615-17618 (1989)					
	IS	Joziasse et al., <u>J. Biol. Chem.</u> , 267:5534-5541 (1992)					
EXAMINER				DATE CONSIDERED			
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				FILING DATE 12/04/97		GROUP 1643	
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EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	JA						
	JB						
	JC						
	JD						
	JE						
	JF						
	JG						
	JH						
	JI						
	JJ						
	JK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	JL						
	JM						
	JN						
	JO						
	JP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	JQ	Thomas et al., <u>Cell</u> , 51:503-512 (1987)					
	JR	Capecchi, <u>Trends in Genetics</u> , 5:70-76 (1989)					
	JS	Jung et al., <u>Science</u> , 259:984-987 (1993)					
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U.S. PATENT DOCUMENTS

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	KA						
	KB						
	KC						
	KD						
	KE						
	KF						
	KG						
	KH						
	KI						
	KJ						
	KK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	KL							
	KM							
	KN							
	KO							
	KP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	KQ	Joziasse et al., <u>J. Biol. Chem.</u> , 264:14290-14297 (1989)
	KR	Brinster et al., <u>Proc. Nat. Acad. Sci. USA</u> , 86:7087-7091 (1989)
	KS	Rathjen et al., <u>Cell</u> , 62:1105-1114 (1990)

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	LA						
	LB						
	LC						
	LD						
	LE						
	LF						
	LG						
	LH						
	LI						
	LJ						
	LK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	LL							
	LM							
	LN							
	LO							
	LP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	LQ	Galili, <u>The Lancet</u> , pp. 358-60, August 12, 1989
	LR	Thall et al., <u>Autoimmunity</u> , 10:81-87 (1991)
	LS	Good et al., <u>Transplant. Proc.</u> , 24:559-62 (1992)

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U.S. PATENT DOCUMENTS

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	MA						
	MB						
	MC						
	MD						
	ME						
	MF						
	MG						
	MH						
	MI						
	MJ						
	MK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	ML							
	MM							
	MN							
	MO							
	MP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	MQ	Galili, <u>Springer Sem. Immunopathol.</u> , 15:155-71 (1993)
	MR	Galili, <u>Xeno</u> , 2:84-87 (1994)
	MS	Resnick et al., <u>Nature</u> , 359:550-551 (1992)

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	NA						
	NB						
	NC						
	ND						
	NE						
	NF						
	NG						
	NH						
	NI						
	NJ						
	NK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	NL							
	NM							
	NN							
	NO							
	NP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

NQ	Capecchi, M.R., (ed.), <u>Molecular Genetics of Early Drosophila and Mouse Development</u> pp. 39-44 (Cold Springs Harbor Lab. Press, 1989)
NR	Jaenisch, R., <u>Science</u> , 240:1468-1474 (1988)
NS	Laus, et al., <u>Int. Archs Allergy Appl. Immun.</u> , 85:201-207 (1988)

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U.S. PATENT DOCUMENTS

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	OA						
	OB						
	OC						
	OD						
	OE						
	OF						
	OG						
	OH						
	OI						
	OJ						
	OK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	OL							
	OM							
	ON							
	OO							
	OP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	OQ	Hendricks, S.P., et al., <u>J. Bio. Chem.</u> , 265:17621-17626 (1990)
	OR	Platt, J.L., et al., <u>Transplantation</u> , 50:817-822 (1990)
	OS	Galili, U., et al., <u>J. Bio. Chem.</u> , 263:17755-17762 (1988)

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U.S. PATENT DOCUMENTS

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	PA						
	PB						
	PC						
	PD						
	PE						
	PF						
	PG						
	PH						
	PI						
	PJ						
	PK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	PL							
	PM							
	PN							
	PO							
	PP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	PQ	Smith, D.F., et al., <u>J. Fed. Am. Soc. Exp. Biol.</u> , 4:A1979 (1990)
	PR	Hindsgaul, D., et al., <u>J. Bio. Chem.</u> , 266:17858-17862 (1991)
	PS	Cooper, D.K.C., et al., <u>Transplantation Proceedings</u> , 24:566-571 (1992)

EXAMINER

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT D'Apice et al.			
				FILING DATE 12/04/97		GROUP 1643	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	QA						
	QB						
	QC						
	QD						
	QE						
	QF						
	QG						
	QH						
	QI						
	QJ						
	QK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	QL						
	QM						
	QN						
	QO						
	QP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	QQ	Cooper, D.K.C., et al., <u>Xeno-transplantation</u> , pp. 47-99, 170-178, 312-321, 429-438, 500-510, (Springer-Verlag Berlin Heidelberg, 1991)					
	QR	Platt, J.L., et al., <u>Immunology</u> , 3:735-739 (1991)					
	QS	Miyagawa, S., et al., <u>Transplantation Proceedings</u> , 21:520-521 (1989)					
EXAMINER				DATE CONSIDERED			
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U.S. PATENT DOCUMENTS

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	RA						
	RB						
	RC						
	RD						
	RE						
	RF						
	RG						
	RH						
	RI						
	RJ						
	RK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	RL							
	RM							
	RN							
	RO							
	RP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	RQ	Platt, J.L., et al., <u>Immunology Today</u> , 11:450-456 (1990)
	RR	Ware, C.B., et al., <u>Biology of Reproduction (Supplement)</u> , 38:129 (1988)
	RS	Piedrahita, J.A., <u>Theriogenology</u> , 29:286 (1988)

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	SA						
	SB						
	SC						
	SD						
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	SF						
	SG						
	SH						
	SI						
	SJ						
	SK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	SL							
	SM							
	SN							
	SO							
	SP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	SQ	Thompson, S., et al., <u>Cell</u> , 56:313-321 (1989)
	SR	Zimmer, A., et al., <u>Nature</u> , 338:150-153 (1989)
	SS	Capecchi, M.R., <u>Science</u> , 244:1288-1292 (1989)

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	TA						
	TB						
	TC						
	TD						
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	TJ						
	TK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	TL							
	TM							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	TN	Kidd, V.J., et al., <u>J. Cell Biochem. (Suppl.)</u> , p. 200 (1988)
	TO	
	TP	
	TQ	
	TR	

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